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LPC 1971100002
ILD 981961634
Will Co.
Celotex
SF/HRS

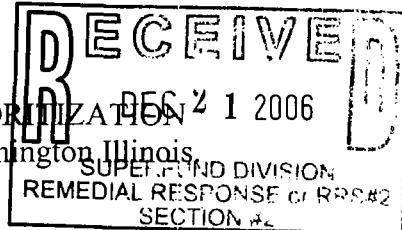
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ADDENDUM



Illinois Environmental
Protection Agency

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Title: CERCLA SITE TEAM EVALUATION PRIORITIZATION ADDENDUM REPORT for CELOTEX, Wilmington Illinois

Preparer: Mark E. Wagner, Project Manager, Office of Site Evaluation, Illinois Environmental Protection Agency


Signature

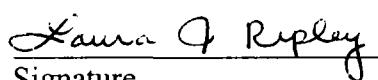
12/11/06
Date

Reviewer: Tom Crause, Office Manager, Office of Site Evaluation, Illinois Environmental Protection Agency


Signature

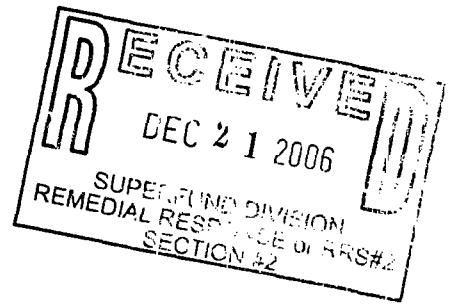
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Date

Approval: Laura J. Ripley, Environmental Scientist, United States Environmental Protection Agency, Region 5


Signature

03/28/2007
Date

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CERCLA
SITE TEAM EVALUATION PRIORITIZATION
ADDENDUM

for:

CELOTEX CORPORATION DUMP SITE
WILMINGTON, ILLINOIS

PREPARED BY:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
BUREAU OF LAND
OFFICE OF SITE EVALUATION

FEBRUARY 2006

**SITE TEAM EVALUATION PRIORITIZATION
ADDENDUM
CELOTEX CORPORATION DUMP SITE**

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1.0 ADDENDUM BACKGROUND

1.1 INTRODUCTION

In January 2004, the Illinois Environmental Protection Agency's (Illinois EPA) Office of Site Evaluation (OSE) reviewed a June 2001, Site Assessment Report prepared by Tetra Tech EM Incorporated for the Celotex Dump Site (ILD 981961634). This document was prepared for the United States Environmental Protection Agency (USEPA) to be used in the remediation of the 40 acre Celotex landfill. Illinois EPA's review of the Tetra Tech EM report focused on identifying areas that require additional information to prepare a Hazard Ranking Scoring (HRS) Package for the Celotex Dump Site. Later this request was modified to include collection of the data identified during the review process and the characterization of the former Celotex plant area. The data collection is in the form of an Addendum to the May 1997 CERCLA Site Team Evaluation Prioritization (STEP) report.

The 1997, STEP report included the collection of seven soil samples and one groundwater sample. All of these samples were collected from the 40 acre landfill area. At that time no CERCLA sampling activities had taken place at the former Celotex plant site.

The addendum investigation was undertaken by the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), 40 CFR, 1980 as amended by the Superfund Amendments and Reauthorization Act (SARA) of 1986.

The Celotex Dump Site located in Wilmington, Will County, Illinois (Figure 1) was initially placed on the Comprehensive Environmental Response Compensation and Liability Inventory System (CERCLIS) in August of 1987. This action was in response to the State of Illinois concerns that past site activities may have caused soil and sediment contamination of the

surrounding community, on-site wetlands and the Kankakee River.

In June 2004, the Illinois EPA's Office of Site Evaluation (OSE) prepared a work plan for the Celotex property which was submitted to the Region 5 Offices of USEPA for review. A site safety plan was also prepared at this time and after being reviewed by the Illinois EPA's Office of Chemical Safety, the field activity portion of the inspection occurred on June 14, 15 and 16, 2004. The CERCLA Inspection included the collection of: ten soil/waste samples, three surface water samples, two sediment samples and three groundwater samples.

1.2 SITE HISTORY

Celotex operated at this location from 1955 through the mid-1980's. The primary products from this operation were roofing shingles and tar paper. Wastes generated were then disposed of on the above mentioned property and included: roof shingles, tar paper, wooden pallets and liquid sludge from a recycling mill. This sludge possibly contains organic and inorganic contaminates and paper mill sludge can also contain high levels of dioxin. In 1979 a site visit by Illinois EPA Personnel revealed a load of waste oil staged next to a surface depression and an oil stained area that possibly had wastes deposited there before. In this same year a 30,000 gallon spill of asphalt material at the plant was cleaned up and disposed of at this dump site. An enforcement case was started in 1978 against Celotex based on a history of compliance violations. This complaint alleged that the waste disposal site used by Celotex (the corporate dump site) was not operated within the current regulations applicable to it. These charges were later dismissed because the Attorney General failed to comply with discovery orders and due to inadequate documentation.

1.3 REVIEW RESULTS

As stated earlier the Tetra Tech EM document was reviewed by the Illinois EPA in January 2004,

with the following findings. The Tetra Tech EM document had sample results for: groundwater, surface water, soil and sediment (See Appendix F). The number of samples and locations adequately characterized the hazardous materials and potential releases of those materials to the surrounding areas for HRS purposes. The Tetra Tech EM inspection however did lack background samples for the: surface water samples, sediment samples, and soil/waste samples. Site specific background samples are necessary in the HRS process to establish regional levels for comparison of contaminants found at the site to those background levels. The Tetra Tech EM inspection did not collect any samples from the former plant area located just south of the main dump area. USEPA and the Illinois EPA agreed that additional characterization work was needed on the former plant property. (See Section 3.0 for additional source information.)

2.0 ADDENDUM ACTIVITIES

This section contains information gathered during the preparation of the Addendum to the STEP Inspection and previous USEPA and the Illinois EPA activities involving this site. These activities included the reviewing of Illinois EPA records, preparation of the work plan and interviews with the current owner of the former plant property.

2.1 RECONNAISSANCE ACTIVITIES

In June 2004, Mr. Mark Wagner, Illinois EPA, met with Mr. Rany Patterson, current owner of the former plant property and conducted a pre-sampling reconnaissance inspection. This site reconnaissance was conducted to identify the sampling locations and familiarize the sampling team with the site. At this time one area was identified as a location that received unusable materials from the Celotex operation. A majority of this area was free from underground utilities and accessible to the soil boring equipment (See Figure 2).

2.2 INTERVIEWS

As mentioned earlier the current property owner met with the author of this report prior to the inspection. At that time CERCLA program objectives were discussed. Mr. Patterson exercised his option to split the soil/waste samples with the Illinois EPA sampling team. He utilized canning jars purchased that day in Wilmington, Illinois.

During the course of the day Mr. Patterson indicated that he plans to develop the plant into a retirement community. In other conversations it was clear that the site has a problem with unauthorized dumping or "open dumping". Mr. Patterson has been sent a Violation Notice (VN) from the Illinois EPA -regarding this issue.

The Illinois EPA has also been contacted by the Brownfield Restoration Group (BRG) regarding the status of the 40 acre landfill. It appears BRG has purchased the 40 acre landfill and intend on selling it to the city of Wilmington. This purchase was made without having any type of environmental assessment performed on the property.

2.3 SAMPLING ACTIVITIES

The CERCLA field sampling activities took place on June 14, 15 and 16, 2004. Ten soil/waste samples, three surface water samples, two sediment and three groundwater samples were collected during this segment of the inspection. All sampling was performed in accordance with Illinois EPA sampling methods and procedures. (Field boring logs are located in Appendix A, and sample location photographs can be found in Appendix B.)

The soil/waste and groundwater samples were taken to determine if contaminants were present on the former plant property. Figures 2 and 3, identify the sample locations from the June 2004,

STEP Addendum and sample descriptions for the soil borings are summarized in Table 4.2, STEP Addendum Soil Boring/Sample Descriptions.

Background surface water sample, sediment sample, and soil sample descriptions are summarized in Table 4.1, STEP Addendum Background Sample Descriptions. The surface water background sample and sediment background samples were identified as areas requiring additional information from the previously mentioned Tetra Tech EM report.

2.4 SAMPLING RESULTS

All samples were analyzed for Target Compound List (TCL) parameters. Several pesticides, volatile and semi volatile organic compounds and inorganic substances were detected at numerous sample locations. Several soil sample locations had arsenic, copper, lead, nickel and zinc levels three times the background concentrations. Groundwater samples exceeded the Maximum Concentration Levels (MCLs) for arsenic and lead. A Key Soil/Waste Sample Summary and a Key Groundwater Sample Summary are included in this section of the report. Complete sample results summaries can be found in Tables 1.1 through 3.4. The complete analytical data package for Celotex is located in Appendix E and Appendix C contains a copy of the Target Compound List (TCL) and data qualifiers used by USEPA.

KEY SOIL/WASTE SAMPLE SUMMARY

(all values expressed in mg/kg)

X101A- shallow source soil sample: copper 41.5, zinc 731

X101B- deep source soil sample: arsenic 224, copper 86.2, nickel 331

X102A- shallow source soil sample: lead 96.7, nickel 42, zinc 280

X102B- deep source soil sample: arsenic 25.5, lead 50.3, nickel 185, zinc 428

X103- source soil sample: copper 34.4, lead 68.0

X104A- source soil sample: arsenic 184, nickel 229

X107-background soil sample: arsenic 5.4, copper 9.1, lead 15.4, nickel 9.7, zinc 55.5

KEY GROUNDWATER SAMPLE SUMMARY

(all values expressed in ug/l)

G101- groundwater sample: arsenic 20.6

G101F- filtered groundwater sample: arsenic 15.7

G102- duplicate of G101: arsenic 17.5

G102F- duplicate of G101F: arsenic 11.7

G103- groundwater sample: arsenic 246, lead 26.5

G103F- filtered groundwater sample: arsenic 240

MCLs: arsenic 10, lead 15

3.0 ADDITIONAL SITE SOURCES

This section includes descriptions of the various hazardous waste sources that were identified at the Celotex Plant Site (no additional site characterization was performed at the 40 acre landfill).

The Hazard Ranking System (HRS) defines a “source” as: “Any area where a hazardous substance has been stored, disposed or placed, plus those soils that have become contaminated from migration of hazardous substances.” This does not include surface water or sediments below surface water that may have become contaminated.

One additional source was identified and sampled during the field segment of this investigation. It was a dump area located on the former Celotex plant property. Due to the limited scope of this investigation, the possibility exists that further investigation of the site (40 acre landfill or plant area) could reveal additional information about the site. Information that could further characterizes these sources or lead to the identification of additional sources.

CELOTEX PLANT LANDFILL:

The landfill was identified on a topographic map and during the field portion of the Addendum to the STEP. It is approximately 75 feet by 120 feet or two acres in size and is not an engineered disposal area. It appears that this area was filled before the landfill to the north of the plant was utilized. Due to the topography of this area soil boring locations were limited. The northern and eastern edge of this fill area has not been fully delineated. There is also the potential that some of the newer on-site buildings occupy filled areas.

The landfill does not have an engineered cover or runoff control system. There are no well-defined runoff patterns associated with the source but this entire area is sloped toward Forked

Creek. The northern portion of this filled area borders Forked Creek and during high water conditions is in direct contact with it. Any runoff associated with this source ultimately flows into Forked Creek. Inorganics mainly: arsenic, copper, lead, nickel, zinc have been detected within the waste materials of this source. Figure 2, shows the location of the soil borings made during this investigation.

4.0 BACKGROUND SAMPLES

One objective of this STEP Addendum was to establish background levels needed for comparison to data collected during a previous CERCLA Site Assessment Report prepared by Tetra Tech EM. Information regarding these sample results can be found in Appendix F. The background samples collect were comprised of surface water and sediment samples from both the Kankakee River and Forked Creek. The results of these samples can be found in Tables 2.1 and 3.1. Background sample descriptions are located in Table 4.1 and sample locations in Figure 3.

5.0 MIGRATION PATHWAYS

5.1 SURFACE WATER PATHWAY

The surface pathway starts where surface water run-off from the site enters the first perennial water body. This location is referred to as the probable point of entry (PPE). The PPE for the 40 acre landfill is any point where run-off from the site enters the wetland areas on the northern portion of the landfill. The plant is border to the west and north by the Kankakee River and Forked Creek respectively. This area has no well-defined runoff paths so the PPE for the plant area is any point along the western or northern boundary where surface water runoff enters the Kankakee River or Forked Creek.

The wetlands on the 40 acre landfill are contiguous to the Kankakee River, which is a fishery. The 15 mile Target Distance Limit for this water body is a 15 mile stretch that terminates downstream on the Illinois River near Goose Lake. The 1996 sediment samples had copper and manganese levels significantly higher than the Ontario Sediment Guidelines for Lowest Effects. The 2001, sediment samples indicated the presence of lead significantly higher than the Ontario Sediment Guidelines for Lowest Effects.

The wetlands associated with the site are listed by the Illinois Department of Conservation and the United States Department of the Interior. They are classified as a palustrine, forested, broad-leaved deciduous, temporarily and seasonally flooded environments.

The river is also a source of drinking water for the City of Wilmington. The surface water intakes are upstream of the PPE and do not appear to be affected by the site. (See Appendix D. Wetlands Area Map)

The City of Wilmington's waster water treatment plant (WWTP) is also located along this portion of the river. The discharge point for the WWTP is near the PPE for the wetlands, and the WWTP has a current permit for this discharge from the IEPA.

5.2 SOIL EXPOSURE PATHWAY

This pathway evaluates surficial contamination and the likelihood that people and sensitive environments will be exposed to them. The 40 acre landfill is fenced along its west, south, and eastern sides leaving the north boundary open and accessible to the public. The eastern side of the fence is also breached at the end of Hayden Court. Throughout the site are paths and trails that are

well defined indicating frequent use. As stated earlier the plant area appears to be used by unauthorized persons for dumping demolition type wastes. The surface of the plant is a typical mix of: urban soils, gravel, sand, broken brick, concrete, and construction debris. The surface of the 40 acre landfill has: off-specification products, loose gravels and sands, silty-loams, clay and is sparsely vegetated in the landfill area. All of the landfill areas appear to lack adequate cover material. Findings from the 1989, Site Inspection revealed the presence of arsenic, barium, cadmium, chromium, lead, and zinc on the surface of the site. Approximately 4500 people live within a one mile radius of the site but there are no schools or daycare facilities within 200 feet of the site.

5.3 GROUNDWATER PATHWAY

Residents using private wells are the primary users of groundwater in the Wilmington area. These wells range from approximately 15-80 feet in depth, (sand and gravel) and approximately 150-700 feet in depth (Silurian Dolomite). Separating these two aquifers is a confining layer of blue shale and blue clay. The shallow sand and gravel aquifer is the aquifer of concern (AOC). Underlying the glacial-drift is the Ft. Atkinson Limestone and Scales Shales, and the Galena and Platteville Groups.

The closest private well is located approximately 2000 feet southeast of the site on the opposite side of the Kankakee River. The other wells are east of the Kankakee River approximately 3/4 of a mile from the site. The 1989 Site Inspection did collect three monitoring well samples and found elevated inorganic levels in two of them. Due to the type of contaminants found during the Site Inspection and the location of the private wells no additional groundwater samples were collected from the 40 acre landfill.

5.4 AIR PATHWAY

Residential areas border the eastern side of the site. There are no air related complaints on file with the Illinois EPA, and the landfill operation would not generate significant air emissions. No formal air samples were collected but air monitoring was performed for screening purposes. Both the photo-ionization (PID) and flame-ionization (FID) methods were utilized, with the FID being more responsive to the conditions at the site.

Wind erosion of the surface soils is also minimal except during high winds due to the particle size and soil types of the contaminated soils.

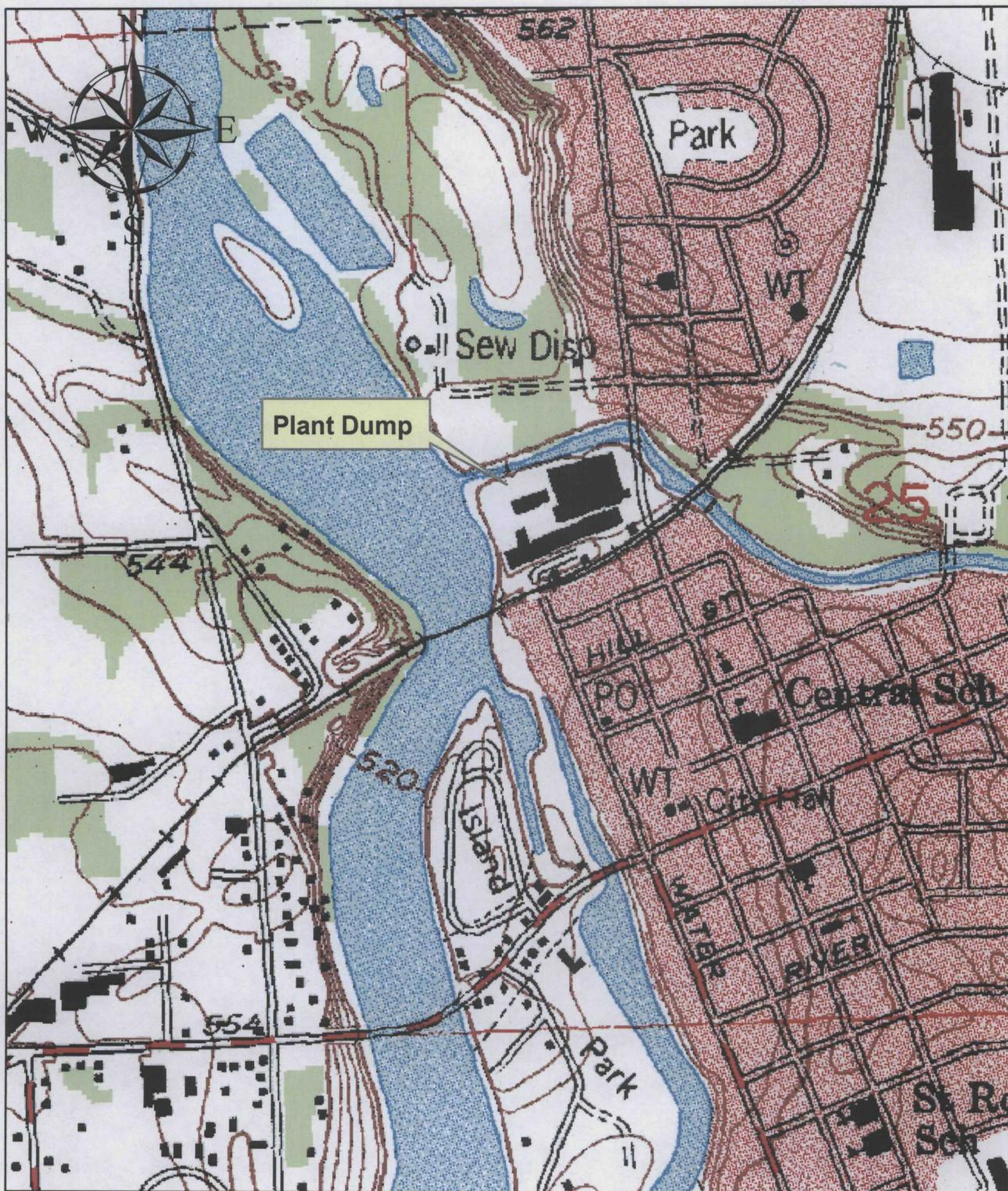


FIGURE 1
CELOTEX ESI ADDENDUM, TOPOGRAPHIC MAP
LPC 1971100002 / ILD 98196634

0 475 950 1,900 Miles

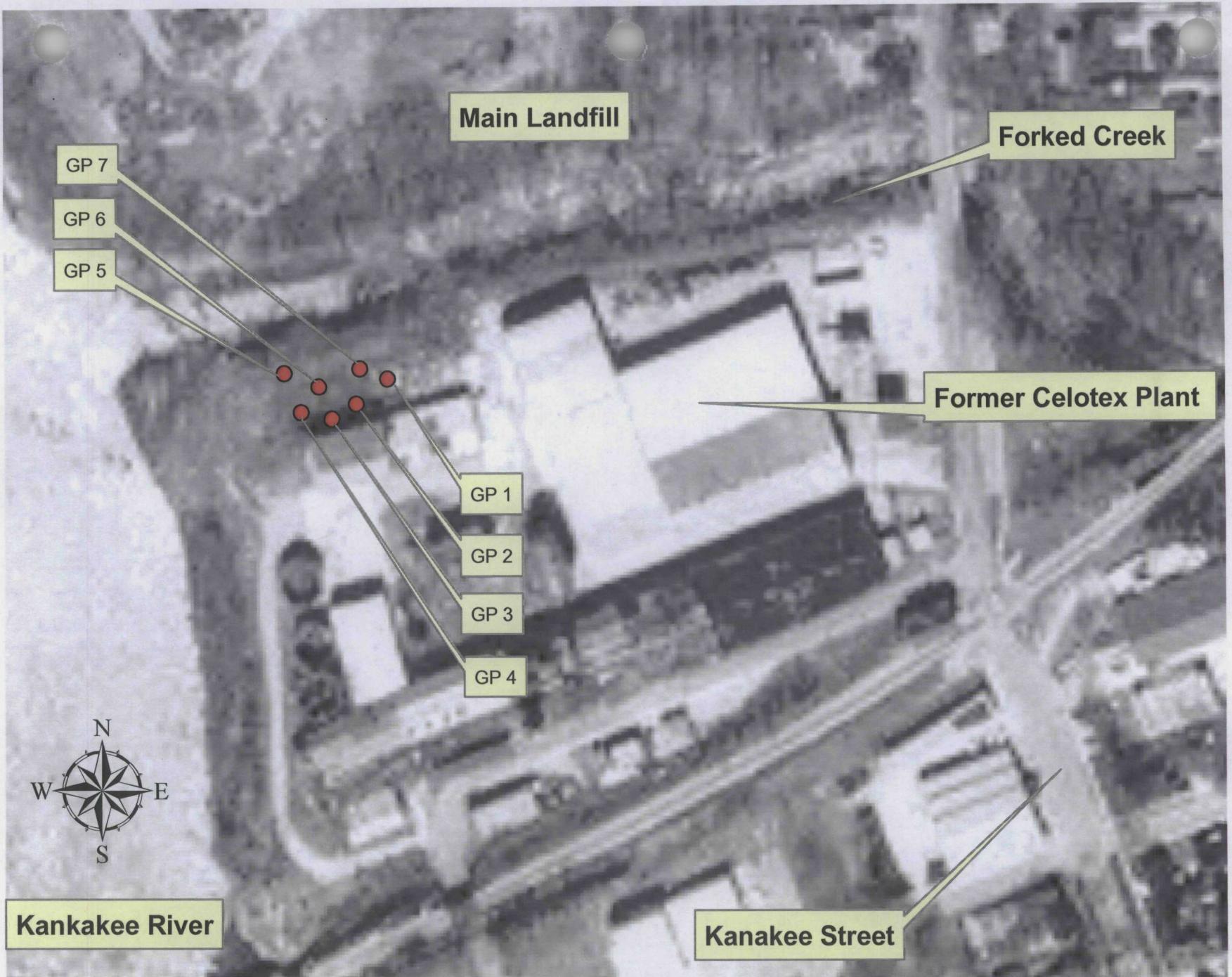


FIGURE 2
CELOTEX ESI ADDENDUM, SAMPLE LOCATION MAP
LPC 1971100002 / ILD 981961634

120 60 0 120 240 360 Feet



FIGURE 3
CELOTEX ESI ADDENDUM, BACKGROUND SAMPLE LOCATION MAP
LPC 1971100002 / ILD 981961634

410 205 0 410 820 1,230 Feet
[Scale bar with tick marks]

TABLE 1.1
CELOTEX SITE

Sample Number :	ME00E8	ME00E9	ME00F0	ME00F1	ME00F6	ME00F7	ME00F8	ME00G2	ME00G3	ME00G4
Sampling Location :	X101A	X101B	X102A	X102B	X103	X104A	X104B	X105	X106	X107
Matrix :	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Units :	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Date Sampled :	6/8/2004	6/8/2004	6/8/2004	6/8/2004	6/15/2004	6/9/2004	6/16/2004	6/16/2004	6/16/2004	6/16/2004
Time Sampled :	13:30	13:40	16:30	16:35	17:55	09:15	09:25	12:25	13:15	14:00
%Solids :	94.4	84.4	81.0	86.2	76.7	86.8	83.5	74.8	77.0	82.0
Dilution Factor :	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	8110		5210		3130		5660		10300	
ANTIMONY	6.1	U	1.1	J	2.1	J	0.97	J	7.2	U
ARSENIC	3.2		224		6.5		25.5		8.2	
BARIUM	60.1		16.7	J	119		127		130	
BERYLLIUM	0.51	U	0.020	J	0.050	J	0.030	J	0.40	J
CADMIUM	0.51	U	1.4		0.050	J	0.56	U	0.60	U
CALCIUM	9250		12800		9630		14100		16300	
CHROMIUM	32.7		246		49.2		178		21.3	
COBALT	10.1		47.2		5.0	J	19.4		8.2	
COPPER	41.5		86.2		23.0		20.1		34.4	
IRON	11500		12900		6810		13100		19900	
LEAD	12.2		19.3		96.7		50.3		68.0	
MAGNESIUM	13400		25300		6290		20500		8470	
MANGANESE	1120		600		203		780		677	
MERCURY	0.21		0.44		0.070	J	0.060	J	0.22	
NICKEL	19.8		331		42.0		185		21.8	
POTASSIUM	299	J	196	J	388	J	462	J	1460	
SELENIUM	1.8	J	2.1	J	1.4	J	2.2	J	1.3	J
SILVER	1.0	U	1.1	U	1.2	U	1.1	U	1.2	U
SODIUM	170	J	313	J	318	J	398	J	229	J
THALLIUM	2.5	U	2.8	U	3.0	U	2.8	U	3.0	U
VANADIUM	11.1		9.1		24.2		10.2		24.0	
ZINC	731		125		280		428		144	
CYANIDE	2.6	U	3.0	U	0.37	J	2.9	U	3.3	U

TABLE 1.2
CELOTEX SITE

Sample Number .	E00E8	E00E9	E00F0	E00F1	E00F6	E00F7	E00F8	E00G2	E00G3	E00G4
Sampling Location .	X101A	X101B	X102A	X102B	X103	X104A	X104B	X105	X106	X107
Units :	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
Date Sampled :	6/8/2004	6/8/2004	6/8/2004	6/8/2004	6/15/2004	6/9/2004	6/16/2004	6/16/2004	6/16/2004	6/16/2004
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	400	U	380	U	410	UJ	540	UJ	460	U
PHENOL	400	U	380	U	410	UJ	540	UJ	460	U
BIS-(2-CHLOROETHYL)ETHER	400	U	380	U	410	UJ	540	UJ	460	U
2-CHLOROPHENOL	400	U	380	U	410	UJ	540	UJ	460	U
2-METHYLPHENOL	400	U	380	U	410	UJ	540	UJ	460	U
2,2'-OXYBIS(1-CHLOROPROPANE)	400	U	380	U	410	UJ	540	UJ	460	U
ACETOPHENONE	400	U	380	U	410	UJ	540	UJ	460	U
4-METHYLPHENOL	400	U	380	U	410	UJ	540	UJ	460	U
N-NITROSO-DI-N PROPYLAMINE	400	U	380	U	410	UJ	540	UJ	460	U
HEXAChLOROETHANE	400	U	380	U	410	UJ	540	UJ	460	U
NITROBENZENE	400	U	380	U	410	UJ	540	UJ	460	U
ISOPHORONE	400	U	380	U	410	UJ	540	UJ	460	U
2-NITROPHENOL	400	U	380	U	410	UJ	540	UJ	460	U
2,4-DIMETHYLPHENOL	400	U	380	U	410	UJ	540	UJ	460	U
BIS(2-CHLOROETHOXY)METHANE	400	U	380	UJ	410	UJ	540	UJ	460	U
2,4-DICHLOROPHENOL	400	U	380	UJ	410	UJ	540	UJ	460	U
NAPHTHALENE	400	U	380	UJ	410	UJ	540	UJ	460	U
4-CHLOROANILINE	400	U	380	UJ	410	UJ	540	UJ	460	U
HEXAChLOROBUTADIENE	400	U	380	UJ	410	UJ	540	UJ	460	U
CAPROLACTAM	180	J	380	UJ	410	UJ	540	UJ	460	U
4-CHLORO-3-METHYLPHENOL	400	U	380	UJ	410	UJ	540	UJ	460	U
2-METHYLNAPHTHALENE	400	U	380	UJ	410	UJ	540	UJ	460	U
HEXAChLOROCYCLO-PENTADIEN	400	U	380	UJ	410	UJ	540	UJ	460	U
2,4,6-TRICHLOROPHENOL	400	U	380	UJ	410	UJ	540	UJ	460	U
2,4,5-TRICHLOROPHENOL	1000	U	940	UJ	1000	UJ	1400	UJ	1200	U
1,1'-BIPHENYL	400	U	380	UJ	410	UJ	540	UJ	460	U
2-CHLORONAPHTHALENE	400	U	380	UJ	410	UJ	540	UJ	460	U
2-NITROANILINE	1000	U	940	UJ	1000	UJ	1400	UJ	1200	U
DIMETHYLPHthalATE	400	U	380	UJ	410	UJ	540	UJ	460	U
2,6-DINITROToluENE	400	U	380	UJ	410	UJ	540	UJ	460	U
ACENAPHTHYLENE	400	U	380	UJ	410	UJ	540	UJ	460	U
3-NITROANILINE	1000	U	940	UJ	1000	UJ	1400	UJ	1200	U
ACENAPHTHENE	400	U	380	UJ	410	UJ	540	UJ	460	U
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
2,4-DINITROPHENOL	1000	U	940	UJ	1000	U	1400	U	1200	UJ
4-NITROPHENOL	1000	U	940	UJ	1000	U	1400	U	1200	U
DIBENZOFURAN	400	U	380	UJ	410	U	540	U	460	U
2,4-DINITROToluENE	400	U	380	UJ	410	U	540	U	460	U
DIETHYLPHthalATE	400	U	380	UJ	410	U	540	U	460	U
FLUORENE	400	U	380	UJ	410	U	540	U	460	U
4-CHLOROPHENYL-PHENYL ETHE	400	U	380	UJ	410	U	540	U	460	U
4-NITROANILINE	1000	U	940	UJ	1000	U	1400	U	1200	U
4,6-DINITRO-2-METHYLPHENOL	1000	U	940	UJ	1000	U	1400	U	1200	U
N-NITROSO DIPHENYLAMINE	400	U	380	UJ	410	U	540	U	460	U
4-BROMOPHENYL-PHENYLETHER	400	U	380	UJ	410	U	540	U	460	U
HEXAChLOROBENZENE	400	U	380	UJ	410	U	540	U	460	U
ATRAZINE	400	U	380	UJ	410	U	540	U	460	U
PENTACHLOROPHENOL	1000	U	940	UJ	1000	U	1400	U	1200	U
PHENANTHRENE	150	J	380	UJ	410	U	540	U	460	U
ANTHRACENE	400	U	380	UJ	410	U	540	U	460	U
CARBAZOLE	400	U	380	UJ	410	U	540	U	460	U
DI-N-BUTYLPHthalATE	400	U	380	UJ	410	U	540	U	460	U
FLUORANTHENE	120	J	380	UJ	410	U	540	U	460	U
PYRENE	130	J	380	UJ	410	U	540	U	200	J
BUTYLBENZYLPHthalATE	400	U	380	UJ	410	U	540	U	460	U
3,3'-DICHLOROBENZIDINE	400	U	380	UJ	410	U	540	U	460	U
BENZO(A)ANTHRACENE	400	U	380	UJ	410	U	540	U	460	U
CHRYSENE	400	U	150	J	410	U	540	U	110	J
BIS(2-ETHYLHEXYL)PHTHALATE	400	U	95	J	410	U	540	U	150	J
DI-N-OCTYLPHthalATE	400	U	380	U	410	U	540	U	460	U
BENZO(B)FLUORANTHENE	400	U	380	U	410	U	540	U	460	U
BENZO(K)FLUORANTHENE	400	U	380	U	410	U	540	U	460	U
BENZO(A)PYRENE	400	U	380	U	410	U	540	U	98	J
INDENO(1,2,3-CD)-PYRENE	400	U	380	U	410	U	540	U	12000	U
DIBENZO(A,H)-ANTHRACENE	400	U	380	U	410	U	540	U	460	U
BENZO(G,H,I)PERYLENE	400	U	380	U	410	U	540	U	460	U

TABLE 1.3
CELOTEX SITE

Sample Number :	E00E8		E00E9		E00F0		E00F1		E00F6		E00F7		E00F8		E00G2		E00G3		E00G4	
Sampling Location :	X101A		X101B		X102A		X102B		X103		X104A		X104B		X105		X106		X107	
Units :	ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg		ug/Kg	
Date Sampled :	6/8/2004		6/8/2004		6/8/2004		6/8/2004		6/15/2004		6/9/2004		6/16/2004		6/16/2004		6/16/2004		6/16/2004	
Pesticide/PCB Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALPHA-BHC	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	2.1	U	2.4	U	2.3	U	2.2	U	2.2	U
BETA-BHC	2.0	JP	1.9	U	1.1	JP	2.8	U	2.0	JP	18	P	3.7	P	1.6	JP	1.1	JP	0.70	JP
DELTA-BHC	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	26	P	2.4	U	2.3	U	2.2	U	2.2	U
GAMMA-BHC (LINDANE)	2.1	U	0.39	J	2.1	U	0.79	JP	0.52	JP	13	P	2.4	U	1.1	JP	2.2	U	2.2	U
HEPTACHLOR	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	2.1	U	2.4	U	2.3	U	2.2	U	2.2	U
ALDRIN	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	2.1	U	2.4	U	2.3	U	2.2	U	2.2	U
HEPTACHLOR EPOXIDE	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	29	P	2.4	U	2.3	U	2.2	U	2.2	U
ENDOSU1FAN I	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	16	P	0.54	JP	2.3	U	2.2	U	2.2	U
DIELDRIN	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	4.3	P	3.1	JP	4.4	U	4.3	U	4.2	U
4,4'-DDE	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	4.0	U	4.6	U	4.4	U	4.3	U	4.2	U
ENDRIN	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	4.8	P	3.5	JP	4.4	U	4.3	U	4.2	U
ENDOSULFAN II	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	4.0	U	4.6	U	4.4	U	4.3	U	4.2	U
4,4'-DDD	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	4.0	U	4.6	U	4.4	U	4.3	U	4.2	U
ENDOSULFAN SULFATE	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	4.0	U	6.8	P	4.4	U	4.3	U	4.2	U
4,4'-DDT	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	2.8	JP	4.2	JP	4.4	U	4.3	U	4.2	U
METHOXYCHLOR	21	U	3.9	JP	4.8	JP	28	U	24	U	21	U	24	U	23	U	22	U	22	U
ENDRIN KETONE	0.92	JP	0.99	JP	0.89	JP	5.4	U	4.6	U	23	P	1.9	JP	4.4	U	4.3	U	4.2	U
ENDRIN ALDEHYDE	4.0	U	3.8	U	4.1	U	5.4	U	4.6	U	8.1	P	5.8	P	4.4	U	4.3	U	4.2	U
ALPHA-CHLORDANE	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	2.1	U	2.4	U	2.3	U	2.2	U	2.2	U
GAMMA-CHLORDANE	2.1	U	1.9	U	2.1	U	2.8	U	2.4	U	0.62	P	2.4	U	0.56	J	2.2	U	2.2	U
TOXAPHENE	210	U	190	U	210	U	280	U	240	U	210	U	240	U	230	U	220	U	220	U
AROCLOR-1016	40	U	38	U	41	U	54	U	46	U	40	U	46	U	44	U	43	U	42	U
AROCLOR-1221	82	U	76	U	83	U	110	U	93	U	82	U	93	U	89	U	88	U	85	U
AROCLOR-1232	40	U	38	U	41	U	54	U	46	U	40	U	46	U	44	U	43	U	42	U
AROCLOR-1242	40	U	38	U	41	U	54	U	46	U	40	U	46	U	44	U	43	U	42	U
AROCLOR-1248	40	U	38	U	41	U	54	U	46	U	40	U	46	U	44	U	43	U	42	U
AROCLOR-1254	40	U	38	U	41	U	54	U	46	U	40	U	46	U	44	U	43	U	42	U
AROCLOR-1260	40	U	38	U	41	U	54	U	46	U	40	U	46	U	44	U	43	U	42	U

TABLE 2.1
CELOTEX SITE

Sample Number :	ME00E1		ME00E2	
Sampling Location :	X201		X202	
Matrix :	Soil		Soil	
Units :	mg/Kg		mg/Kg	
Date Sampled :	6/14/2004		6/14/2004	
Time Sampled :	13:45		11:30	
%Solids :	72.6		75.5	
Dilution Factor :	1.0		1.0	
ANALYTE	Result	Flag	Result	Flag
ALUMINUM	3230		6600	
ANTIMONY	8.1	U	0.75	J
ARSENIC	3.8		7.0	
BARIUM	38.4		43.5	
BERYLLIUM	0.68	U	0.20	J
CADMIUM	0.68	U	0.61	U
CALCIUM	21100		32200	
CHROMIUM	6.5		10.4	
COBALT	4.2	J	5.2	J
COPPER	3.6		12.6	
IRON	10400		17700	
LEAD	5.7		12.7	
MAGNESIUM	12300		9510	
MANGANESE	487		433	
MERCURY	0.056	J	0.10	J
NICKEL	7.9		11.9	
POTASSIUM	393	J	1100	
SELENIUM	1.1	J	4.3	U
SILVER	1.4	U	1.2	U
SODIUM	128	J	138	J
THALLIUM	3.4	U	3.1	U
VANADIUM	7.4		14.1	
ZINC	26.0		42.6	
CYANIDE	3.4	U	3.3	U

**TABLE 2.2
CELOTEX SITE**

TABLE 2.3
CELOTEX SITE

Sample Number :	E00E1	E00E2				E00E1	E00E2				E00E1	E00E2		
Sampling Location :	X201	X202				X201	X202				X201	X202		
Matrix :	Soil	Soil				Soil	Soil				Soil	Soil		
Units :	ug/Kg	ug/Kg				ug/Kg	ug/Kg				ug/Kg	ug/Kg		
Date Sampled :	6/14/2004	6/14/2004				6/14/2004	6/14/2004				6/14/2004	6/14/2004		
Time Sampled :	13:45	11:30				13:45	11:30				13:45	11:30		
%Moisture :	21	18				21	18				21	18		
pH :	7.0	7.0				7.0	7.0				7.0	7.0		
Dilution Factor :	1.0	1.0				1.0	1.0				1.0	1.0		
Volatile Compound	Result	Flag	Result	Flag	Volatile Compound	Result	Flag	Result	Flag	Volatile Compound	Result	Flag	Result	Flag
DICHLORODIFLUOROMETHANE	13	U	12	U	2-BUTANONE	13	U	12	U	TETRACHLOROETHENE	13	U	12	U
CHLOROMETHANE	13	U	12	U	CHLOROFORM	13	U	12	U	2-HEXANONE	13	U	12	U
VINYL CHLORIDE	13	U	12	U	1,1,1-TRICHLOROETHANE	13	U	12	U	DIBROMOCHLOROMETHANE	13	U	12	U
BROMOMETHANE	13	U	12	U	CYCLOHEXANE	13	U	12	U	1,2-DIBROMOETHANE	13	U	12	U
CHLOROETHANE	13	U	12	U	CARBON TETRACHLORIDE	13	U	12	U	CHLOROBENZENE	13	U	12	U
TRICHLOROFLUOROMETHANE	13	U	12	U	BENZENE	13	U	12	U	ETHYLBENZENE	13	U	12	U
1,1-DICHLOROETHENE	13	U	12	U	1,2-DICHLOROETHANE	13	U	12	U	XYLENES (TOTAL)	13	U	12	U
1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	13	U	12	U	TRICHLOROETHENE	13	U	12	U	STYRENE	13	U	12	U
ACETONE	13	U	12	U	METHYLCYCLOHEXANE	13	U	12	U	BROMOFORM	13	U	12	U
CARBON DISULFIDE	13	U	12	U	1,2-DICHLOROPROPANE	13	U	12	U	ISOPROPYLBENZENE	13	U	12	U
METHYL ACETATE	13	U	12	U	BROMODICHLOROMETHANE	13	U	12	U	1,1,2,2-TETRACHLOROETHANE	13	U	12	U
METHYLENE CHLORIDE	13	JB	12	JB	CIS-1,3-DICHLOROPROPENE	13	U	12	U	1,3-DICHLOROBENZENE	13	U	12	U
TRANS-1,2-DICHLOROETHENE	13	U	12	U	4-METHYL-2-PENTANONE	13	U	12	U	1,4-DICHLOROBENZENE	13	U	12	U
METHYL TERT-BUTYL ETHER	13	U	12	U	TOLUENE	13	U	12	U	1,2-DICHLOROBENZENE	13	U	12	U
1,1-DICHLOROETHANE	13	U	12	U	TRANS-1,3-DICHLOROPROPENE	13	U	12	U	1,2-DIBROMO-3-CHLOROPROPANE	13	U	12	U
CIS-1,2-DICHLOROETHENE	13	U	12	U	1,1,2-TRICHLOROETHANE	13	U	12	U	1,2,4-TRICHLOROBENZENE	13	U	12	U

**TABLE 3.1
CELOTEX SITE**

Sample Number :	ME00E3		ME00E4		ME00E5		ME00E6		ME00F2		ME00F3		ME00F4		ME00F5		ME00F9		ME00G0	
Sampling Location :	FB	S101	S102	S103	G101	G102	G101F	G102F	G103	G103F										
Matrix :	Water	Water	Water	Water	Water	Water	Water	Water	Water	Water										
Units :	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L										
Date Sampled :	6/14/2004		6/7/2004		6/14/2004		6/7/2004		6/15/2004		6/15/2004		6/15/2004		6/15/2004		6/9/2004		6/16/2004	
Time Sampled :	13:00		12:45		11:00		11:00		13:15		13:15		13:15		13:15		11:00		11:00	
ANALYTE	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag	Result	Flag
ALUMINUM	200	U	5740		2160		1960		455		222		200	U	200	U	3930		238	
ANTIMONY	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U	60.0	U
ARSENIC	10.0	U	11.1		10.9		11.0		20.6		17.5		15.7		11.7		246		240	
BARIUM	0.97	J	67.3	J	49.3	J	49.2	J	222		222		213		223		301		197	J
BERYLLIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CADMIUM	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U
CALCIUM	99.2	J	45000		54000		54500		204000		190000		187000		194000		338000		338000	
CHROMIUM	10.0	U	7.4	J	2.8	J	2.3	J	16.0		8.2	J	4.3	J	4.3	J	148		22.8	
COBALT	50.0	U	2.4	J	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	37.0	J	30.5	J
COPPER	2.8	J	7.3	J	5.1	J	4.6	J	5.6	J	4.7	J	2.7	J	2.9	J	26.3		4.6	J
IRON	38.1	J	5920		2110		2080		40100		36100		34200		35800		57800		46100	
LEAD	10.0	U	10.0	U	10.0	U	10.0	U	7.9	J	10.0	U	10.0	U	10.0	U	26.5		10.0	U
MAGNESIUM	5000	U	16200		22800		23500		46900		45300		43900		45900		96200		91800	
MANGANESE	15.0	U	177		49.0		48.9		1200		1080		1030		1080		2440		2210	
MERCURY	0.060	J	0.050	J	0.35		0.030	J	0.21		0.10	J	0.080	J	0.030	J	0.34		0.043	J
NICKEL	3.9	J	6.7	J	3.7	J	3.1	J	10.3	J	4.8	J	2.1	J	2.3	J	126		58.5	
POTASSIUM	5000	U	5560		3300	J	3400	J	18100		17000		16800		17400		46500		49100	
SELENIUM	35.0	U	35.0	U	18.3	J	7.8	J	14.2	J	10.9	J	11.4	J	8.7	J	17.5	J	25.1	J
SILVER	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U
SODIUM	417	J	6170		7890		8100		79700		72500		69600		72600		478000		532000	
THALLIUM	10.1	J	6.6	J	12.8	J	10.9	J	17.2	J	8.5	J	9.2	J	14.2	J	23.2	J	19.5	J
VANADIUM	50.0	U	10.6	J	3.8	J	3.3	J	3.0	J	1.8	J	50.0	U	50.0	U	11.0	J	4.6	J
ZINC	60.0	U	23.3	J	60.0	U	60.0	U	153		75.6		23.2	J	26.3	J	1690		1020	
CYANIDE	10.0	U	2.1	J	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	5.1	J				

TABLE 3.2
CELOTEX SITE

Sample Number :	E00E3	E00E4	E00E5	E00E6	E00F2	E00F3	E00F9	
Sampling Location :	FB	S101	S102	S103	G101	G102	G103	
Matrix :	Water	Water	Water	Water	Water	Water	Water	
Units :	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	
Date Sampled :	6/14/2004	6/7/2004	6/14/2004	6/7/2004	6/15/2004	6/15/2004	6/9/2004	
Semivolatile Compound	Result	Flag	Result	Flag	Result	Flag	Result	Flag
BENZALDEHYDE	10	U	10	U	10	U	10	U
PHENOL	10	U	10	U	10	U	5	J
BIS-(2-CHLOROETHYL)ETHER	10	U	10	U	10	U	10	U
2-CHLOROPHENOL	10	U	10	U	10	U	10	U
2-METHYLPHENOL	10	U	10	U	10	U	10	U
2,2'-OXYBIS(1-CHLOROPROPANE)	10	U	10	U	10	U	10	U
ACETOPHENONE	10	U	10	U	10	U	10	U
4-METHYLPHENOL	10	U	10	U	10	U	9	J
N-NITROSO-DI-N PROPYLAMINE	10	U	10	U	10	U	10	U
HEXACHLOROETHANE	10	U	10	U	10	U	10	U
NITROBENZENE	10	U	10	U	10	U	10	U
ISOPHORONE	10	U	10	U	10	U	10	U
2-NITROPHENOL	10	U	10	U	10	U	10	U
2,4-DIMETHYLPHENOL	10	U	10	U	10	U	10	U
BIS(2-CHLOROETHOXY)METHANE	10	U	10	U	10	U	10	U
2,4-DICHLOROPHENOL	10	U	10	U	10	U	10	U
NAPHTHALENE	10	U	10	U	10	U	10	U
4-CHLOROANILINE	10	U	10	U	10	U	10	U
HEXACHLOROBUTADIENE	10	U	10	U	10	U	10	U
CAPROLACTAM	10	U	10	U	10	U	10	U
4-CHLORO-3-METHYLPHENOL	10	U	10	U	10	U	10	U
2-METHYLNAPHTHALENE	10	U	10	U	10	U	10	U
HEXACHLOROCYCLO-PENTADIEN	10	U	10	U	10	U	10	U
2,4,6-TRICHLOROPHENOL	10	U	10	U	10	U	10	U
2,4,5-TRICHLOROPHENOL	25	U	25	U	25	U	25	U
1,1'-BIPHENYL	10	U	10	U	10	U	10	U
2-CHLORONAPHTHALENE	10	U	10	U	10	U	10	U
2-NITROANILINE	25	U	25	U	25	U	25	U
DIMETHYLPHthalate	10	U	10	U	10	U	10	U
2,6-DINITROTOLUENE	10	U	10	U	10	U	10	U
ACENAPHTHYLENE	10	U	10	U	10	U	10	U
3-NITROANILINE	25	U	25	U	25	U	25	U
ACENAPTHENE	10	U	10	U	10	U	10	U
2,4-DINITROPHENOL	25	U	25	U	25	U	25	U
4-NITROPHENOL	25	U	25	U	25	U	25	U
DIBENZOFURAN	10	U	10	U	10	U	10	U
2,4-DINITROTOLUENE	10	U	10	U	10	U	10	U
DIETHYLPHthalate	10	U	10	U	10	U	10	U
FLUORENE	10	U	10	U	10	U	10	U
4-CHLOROPHENYL-PHENYL ETHER	10	U	10	U	10	U	10	U
4-NITROANILINE	25	U	25	U	25	U	25	U
4,6-DINITRO-2-METHYLPHENOL	25	U	25	U	25	U	25	U
N-NITROSO DIPHENYLAMINE	10	U	10	U	10	U	10	U
4-BROMOPHENYL-PHENYLETHER	10	U	10	U	10	U	10	U
HEXACHLOROBENZENE	10	U	10	U	10	U	10	U
ATRAZINE	10	U	10	U	2	J	2	J
PENTACHLOROPHENOL	25	U	25	U	25	U	25	U
PHENANTHRENE	10	U	10	U	10	U	10	U
ANTHRACENE	10	U	10	U	10	U	10	U
CARBAZOLE	10	U	10	U	10	U	10	U
DI-N-BUTYLPHthalate	10	U	10	U	10	U	10	U
FLUORANTHENE	10	U	10	U	10	U	10	U
PYRENE	10	U	10	U	10	U	10	U
BUTYLBENZYLPHthalate	10	U	10	U	10	U	10	U
3,3'-DICHLOROBENZIDINE	10	U	10	U	10	U	10	U
BENZO(A)ANTHRACENE	10	U	10	U	10	U	10	U
CHRYSENE	10	U	10	U	10	U	10	U
BIS(2-ETHYLHEXYL)PHTHALATE	3	J	7	J	10	U	10	U
DI-N-OCTYLPHthalate	10	U	10	U	10	U	10	U
BENZO(B)FLUORANTHENE	10	U	10	U	10	U	10	U
BENZO(K)FLUORANTHENE	10	U	10	U	10	U	10	U
BENZO(A)PYRENE	10	U	10	U	10	U	10	U
INDENO(1,2,3-CD)PYRENE	10	U	10	U	10	U	10	U
DIBENZO(A,H)ANTHRACENE	10	U	10	U	10	U	10	U
BENZO(G,H,I)PERYLENE	10	U	10	U	10	U	10	U

**TABLE 3.3
CELOTEX SITE**

TABLE 3.4
CELOTEX SITE

**Table 4.1, ESI Addendum Background Sample Descriptions
CELOTEX SITE**

<u>Sample Number</u>	<u>Location</u>	<u>Appearance / Sampler Notes</u>
S101	Background surface water on Kankakee River @ Island Park (near X201).	River 6' above flood stage.
S102/S103	Background surface water on Forked Creek	Duplicate surface water sample.
X201	Background sediment on Kankakee River @ Island Park (near S101).	Gray-brown, silty-sand
X202	Background sediment on Forked Creek	Gray-brown, sandy-silty-clay, w/ some gravel
X107	Background soil sample @ Island Park	Dark silty-sandy clay 0-3"

**Table 4.2, ESI Addendum Soil Boring/Sample Descriptions
CELOTEX SITE**

<u>Sample Number</u>	<u>Location</u>	<u>Appearance / Sampler Notes*</u>
G101/G102	GP1, geoprobe location, @ 11'	Duplicate water sample.
X101A	GP1, geoprobe location, @ 9'	Gray plastic material.
X101B	GP1, geoprobe location, @ 11'	Gray granular material
N/A	GP2, geoprobe location, @15'	Refusal at 15', all shingles, no sample collected.
X102A	GP3, geoprobe location, @ 5'	Light gray material, (wet) fine grained.
X102B	GP3, geoprobe location, @ 9.5'	Light gray hard material, w/ green layers.
X103	GP4, geoprobe location, @ 16'	Black silty clay, (very wet)
X104A	GP5, geoprobe location, @ 8'	Dark oily material.
X104B	GP5, geoprobe location, @ 15.5'	Dark (black) silty clay.
G103	GP5, geoprobe location, @ 14'	Sheen on water, reaction w/ HCL and HNO3.
X105	GP6, geoprobe location, @ 15.5'	Dark silty clay (bed rock).
X106	GP7, goeprobe location, @ 16'	Dark silty clay (bed rock).

* Additional information regarding the soil borings can be found in Appendix A.

APPENDIX A

Illinois Environmental Protection Agency Field Boring Logs

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will _____

Site File Name: Celotex

Boring / Well No.: GP-1

G Coordinates: Northing _____ Easting _____

Date: Start 6/15/04 Finish 6/15/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler

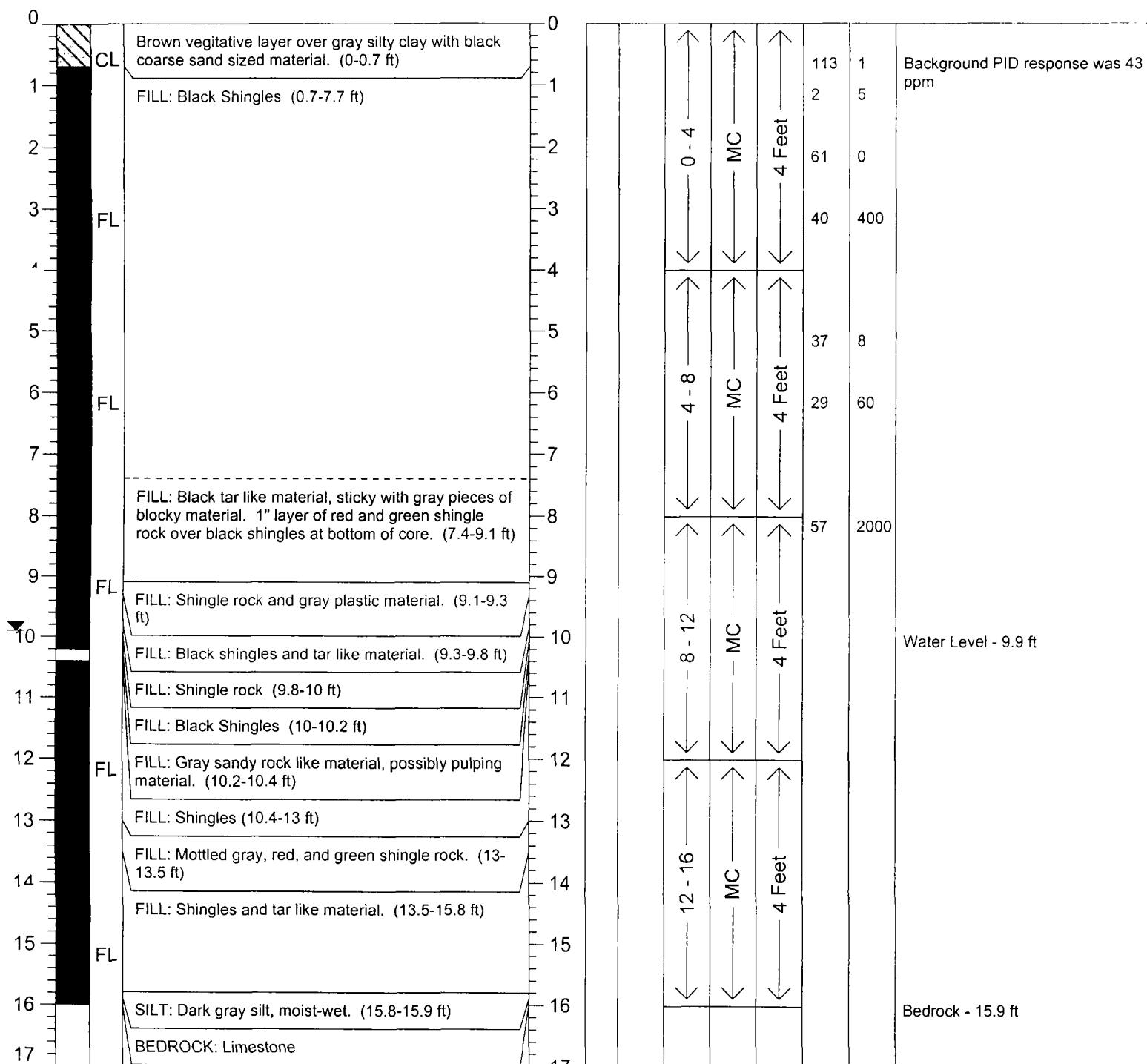
Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg.

Completion Depth: 16 ft.

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	
0												



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will

Site File Name: Celotex

Boring / Well No.: GP-2

G Coordinates: Northing _____ Easting _____

Date: Start 6/15/04 Finish 6/15/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler

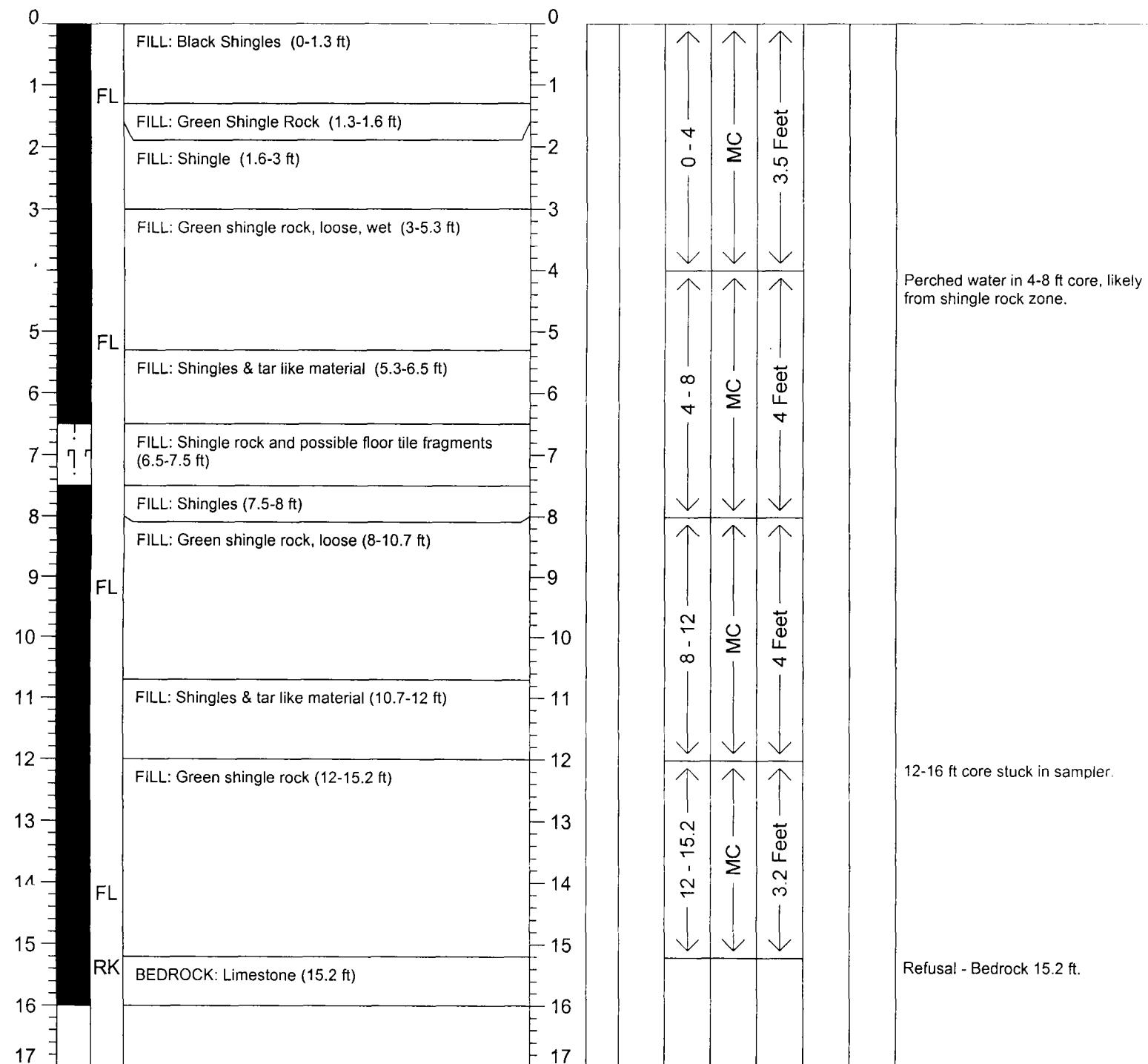
Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg.

Completion Depth: 15.2 ft

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	
0												



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will

Site File Name: Celotex

Boring / Well No.: GP-3

G Coordinates: Northing

Easting

Date: Start 6/15/04 Finish 6/15/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler

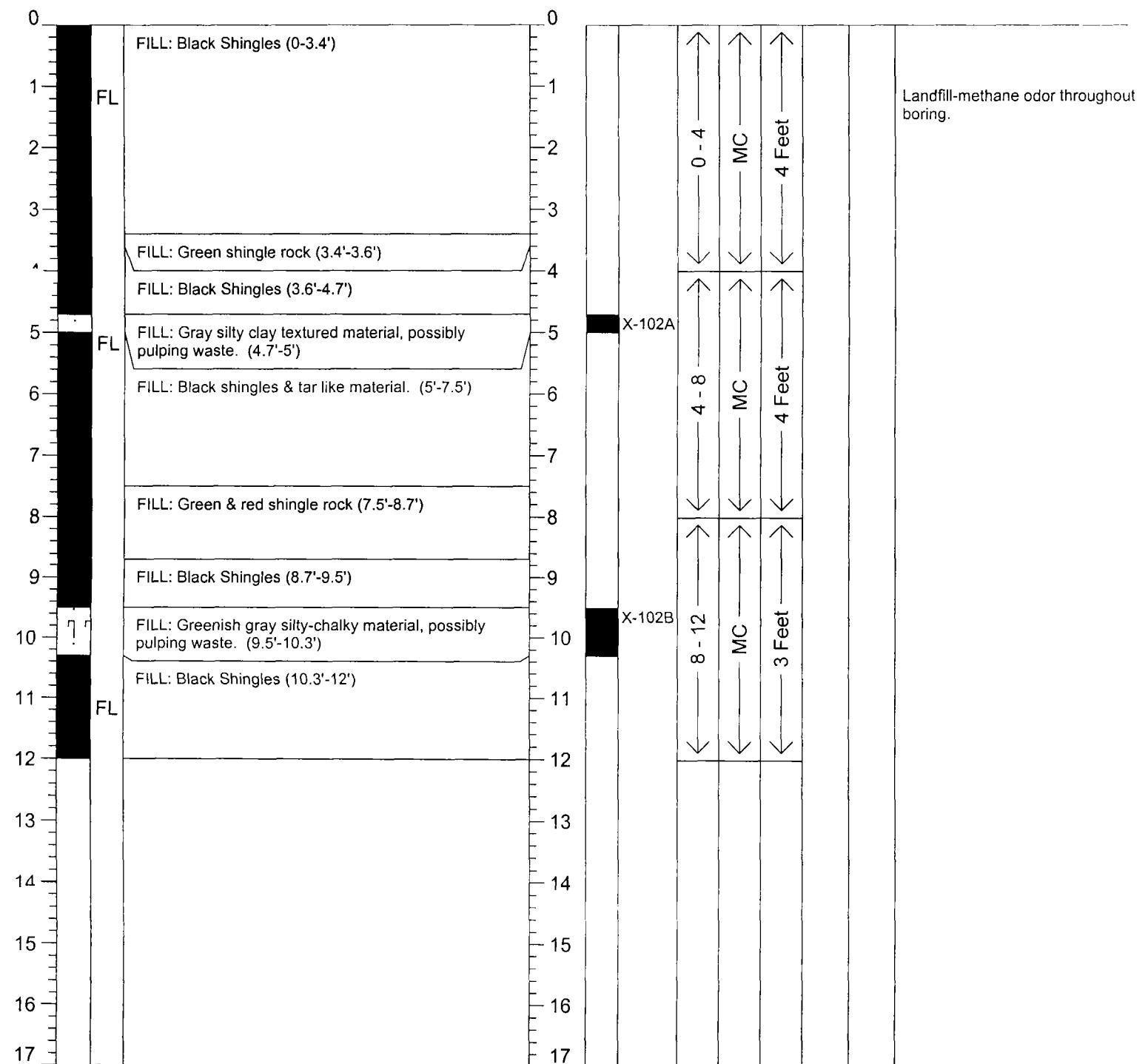
Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg.

Completion Depth: 12 ft

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will

Site File Name: Celotex

Boring / Well No.: GP-4

G Coordinates: Northing _____ Easting _____

Date: Start 6/15/04 Finish 6/15/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler

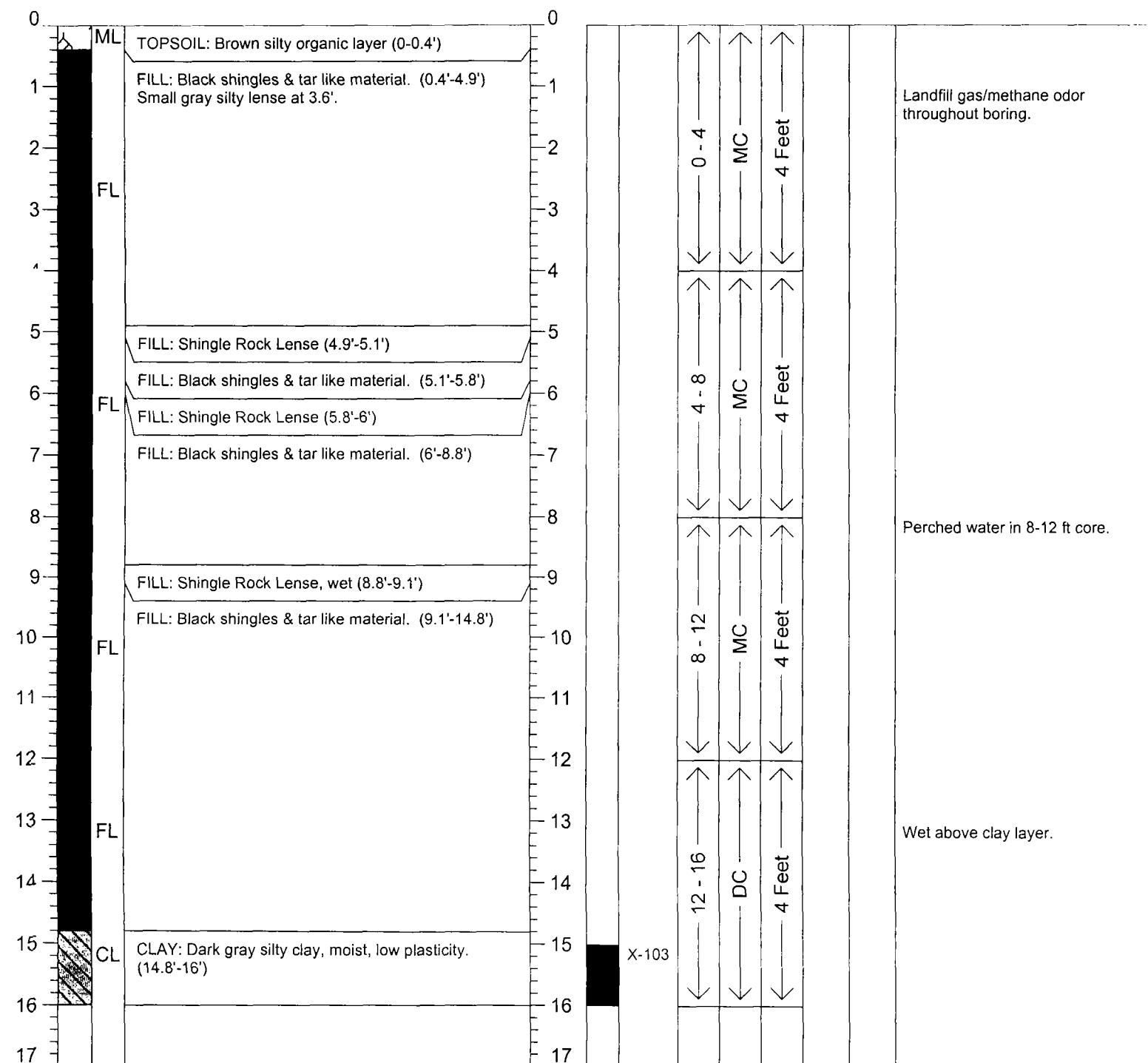
Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg.

Completion Depth: 16 ft

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will

Site File Name: Celotex

Boring / Well No.: GP-5

G Coordinates: Northing _____ Easting _____

Date: Start 6/16/04 Finish 6/16/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler

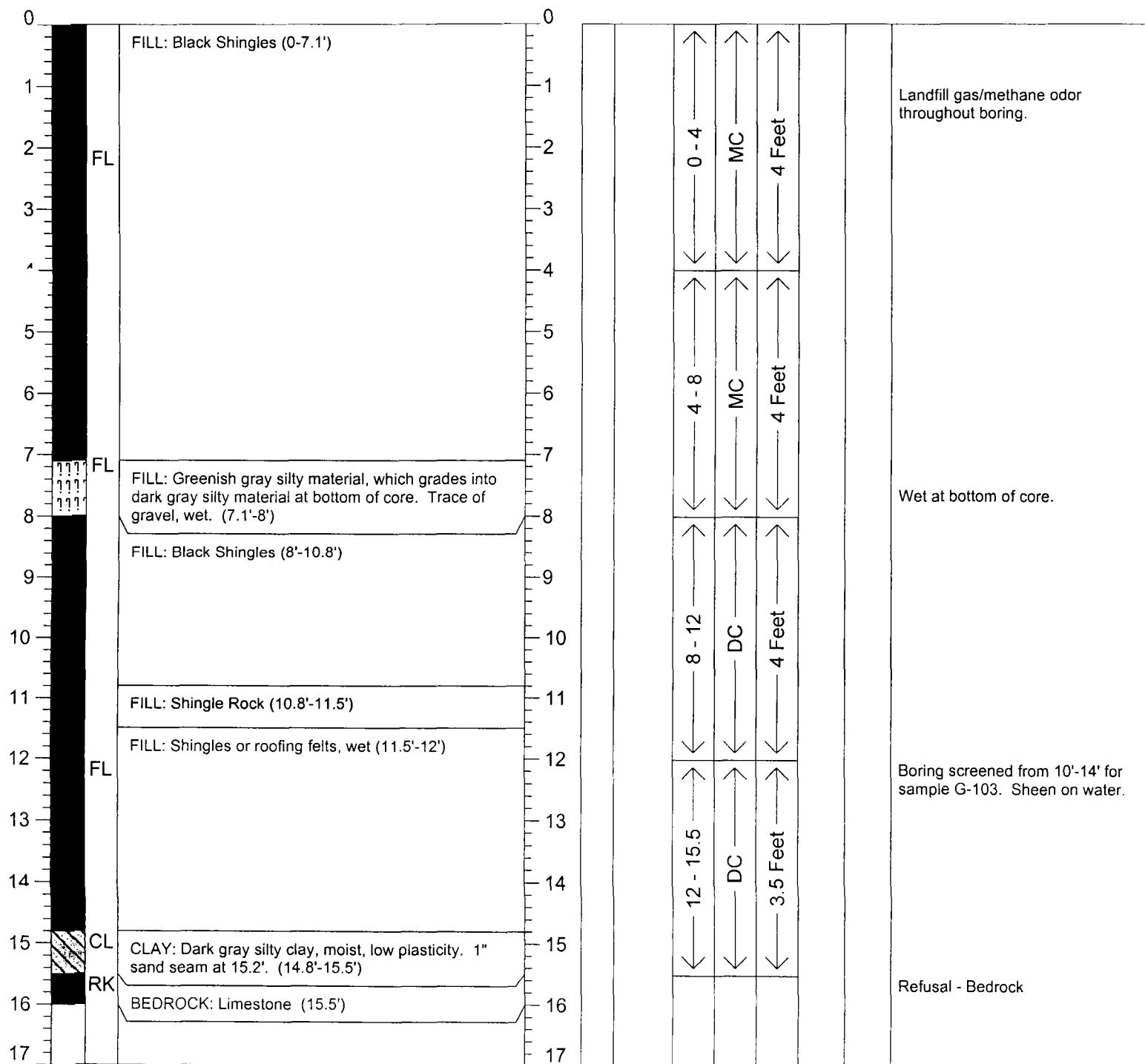
Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg.

Completion Depth: 15.5 ft

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will

Site File Name: Celotex Boring / Well No.: GP-6

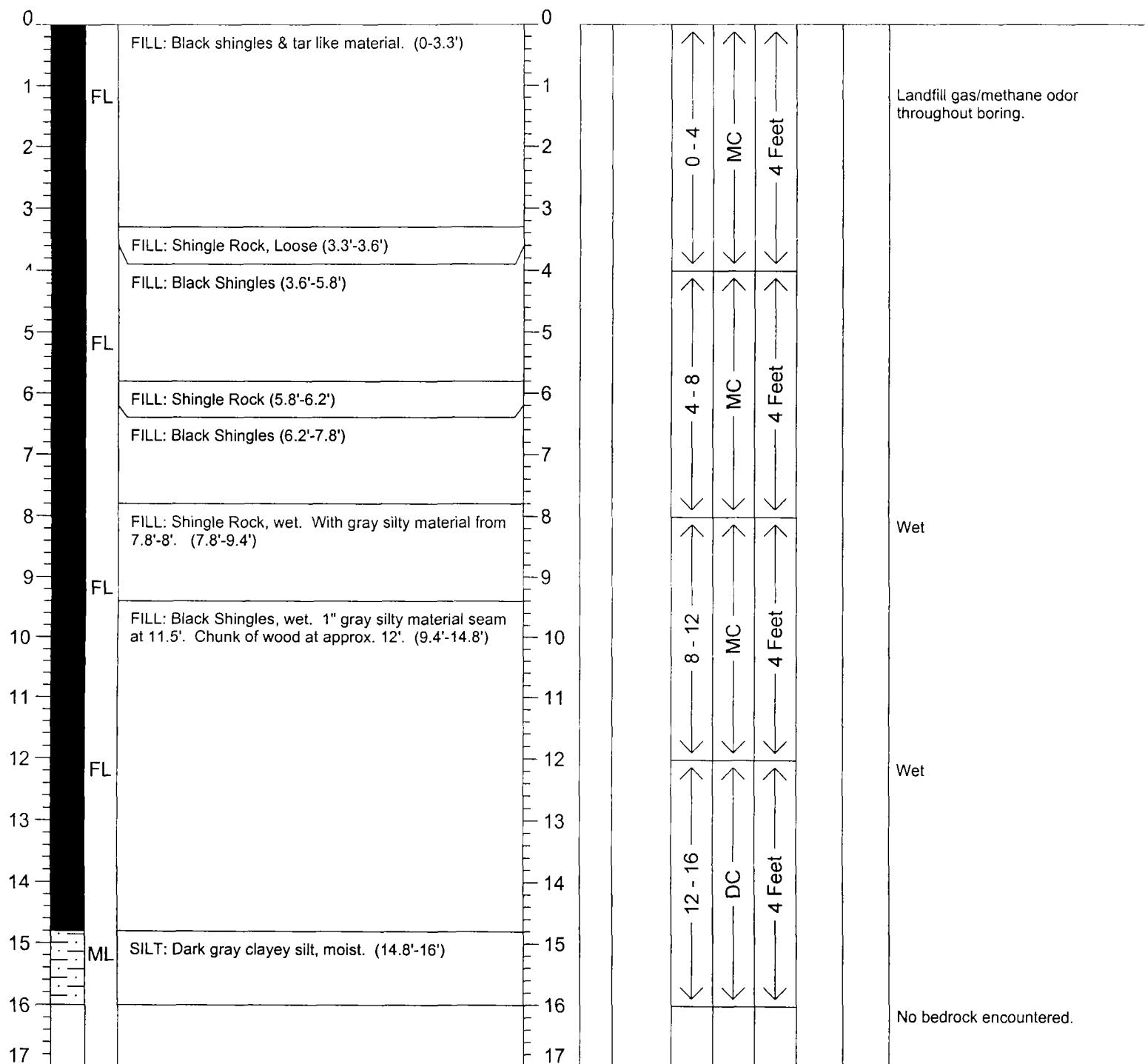
C Coordinates: Northing _____ Easting _____ Date: Start 6/16/04 Finish 6/16/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg. Completion Depth: 16 ft

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FIELD BORING LOG

IEPA File No.: _____ Fed. ID No.: ILD 981 961 634 County: Will

Site File Name: Celotex

Boring / Well No.: GP-7

C Coordinates: Northing _____ Easting _____

Date: Start 6/16/04 Finish 6/16/04

Equipment Used: Geoprobe/Macro-Core & Discrete Sampler/Screen Point Sampler

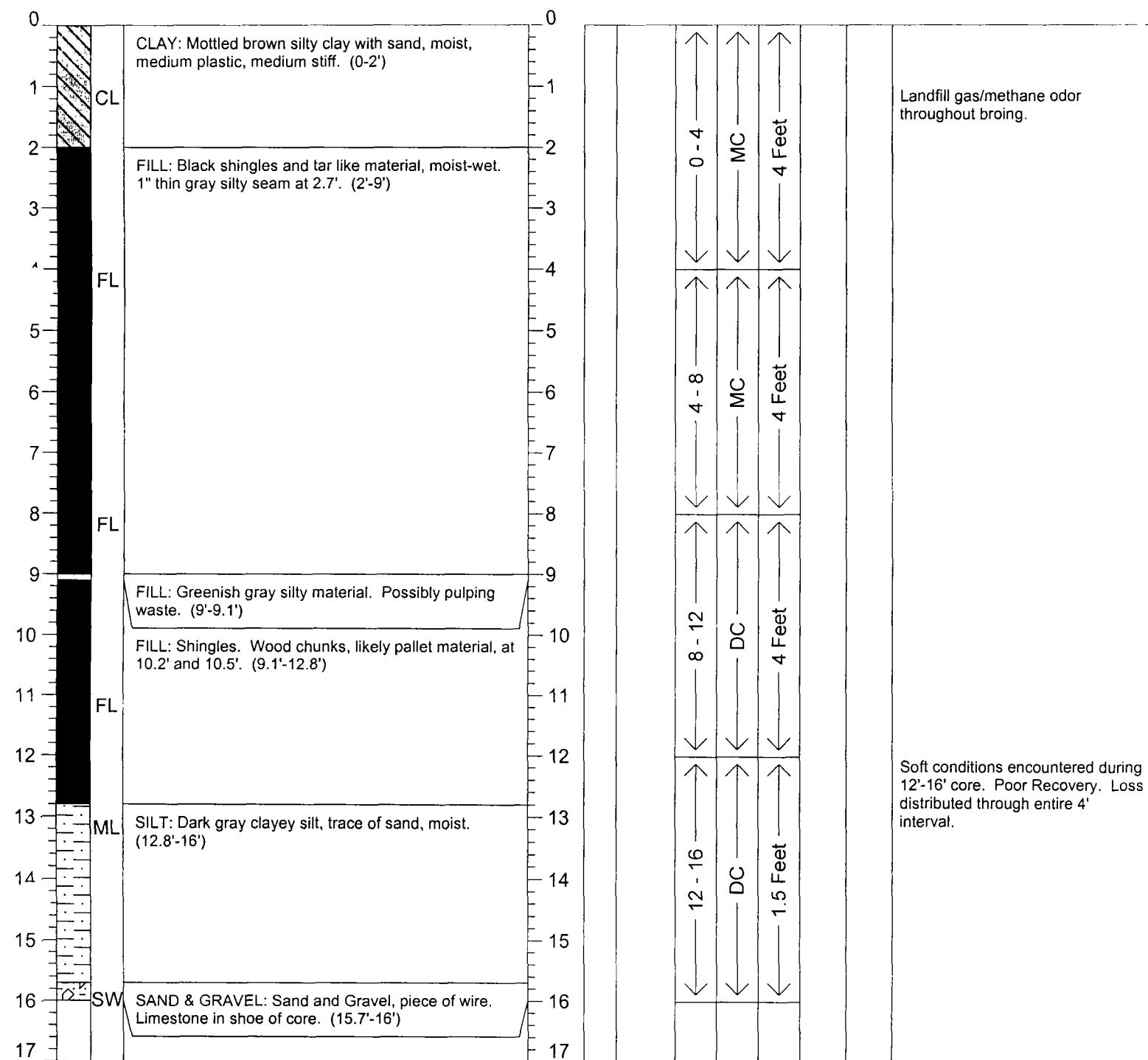
Surface Elevation: 0 ft.

Location Description: Landfill area west of bldg.

Completion Depth: 16 ft

Logged By: James M. Salch

Depth (ft)	Lithology	USCS	Description	Depth (ft)	Sample Depth	Sample Number	Sampling Interval	Sample Type	Sample Recovery	TVA Readings		Remarks
										PID	FID	



APPENDIX B

CERCLA Inspection Photographs

Date: 6/14/04

Time: 1100

Photo Taken By: Mark Wagner

Site Name

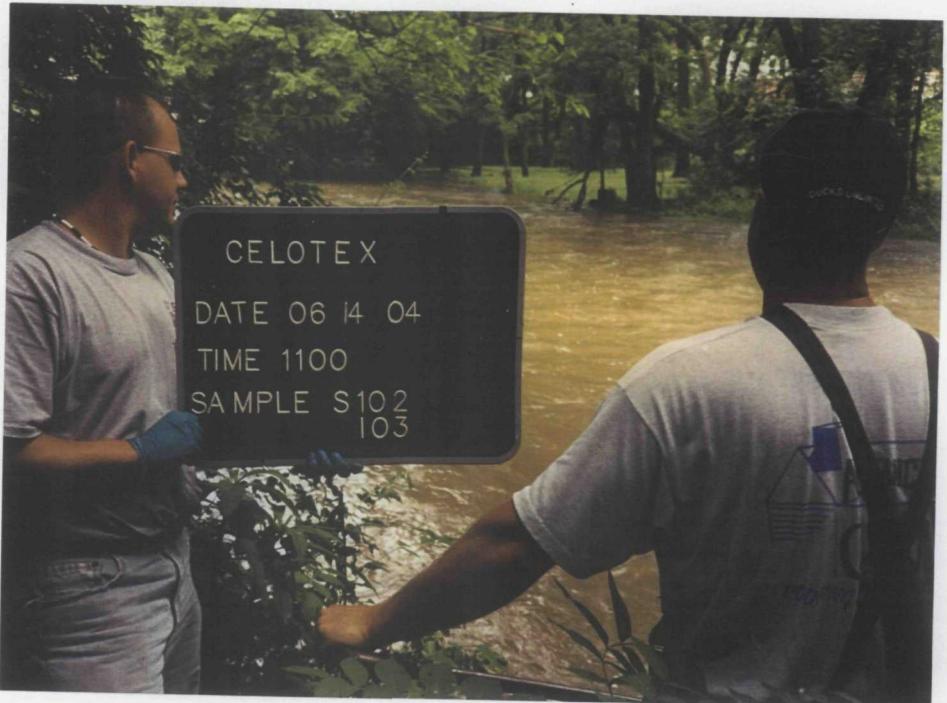
CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: S102/103

Direction: west

Description: Background surface water



Date: 6/14/05

Time: 1130

Photo Taken By: Mark Wagner

Site Name

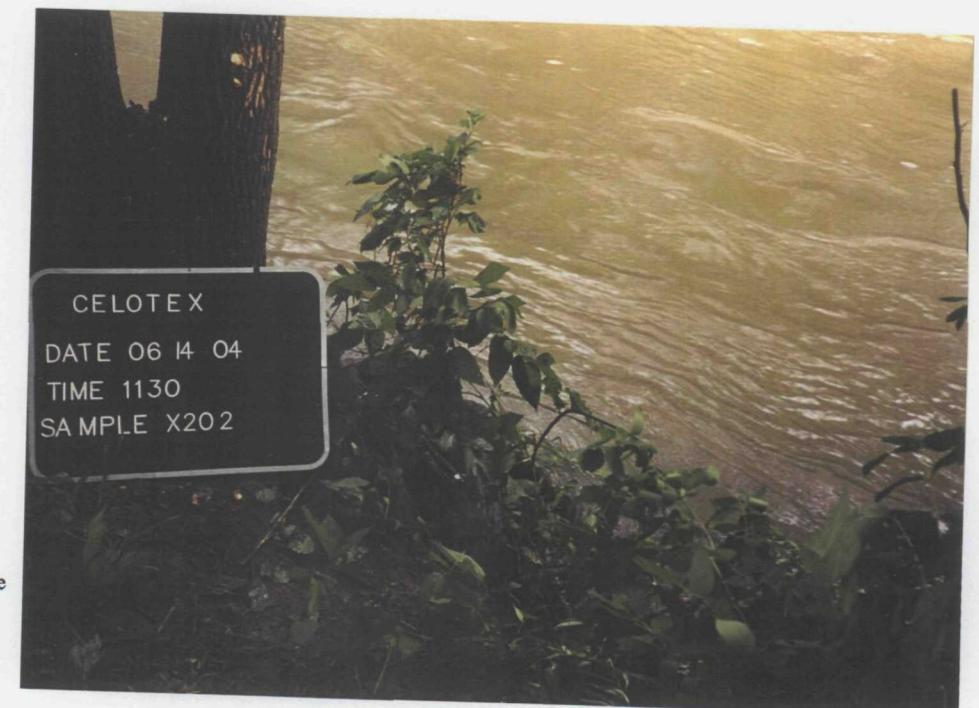
CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X202

Direction: west

Description: Background sediment sample



Date: 6/14/04

Time: 1245

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: S101

Direction: south

Description: Background surface water



Date: 6/14/05

Time: 1245

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: S101

Direction: north

Description: Background surface water



Date: 6/14/04

Time: 1315

Photo Taken By: Mark Wagner

Site Name

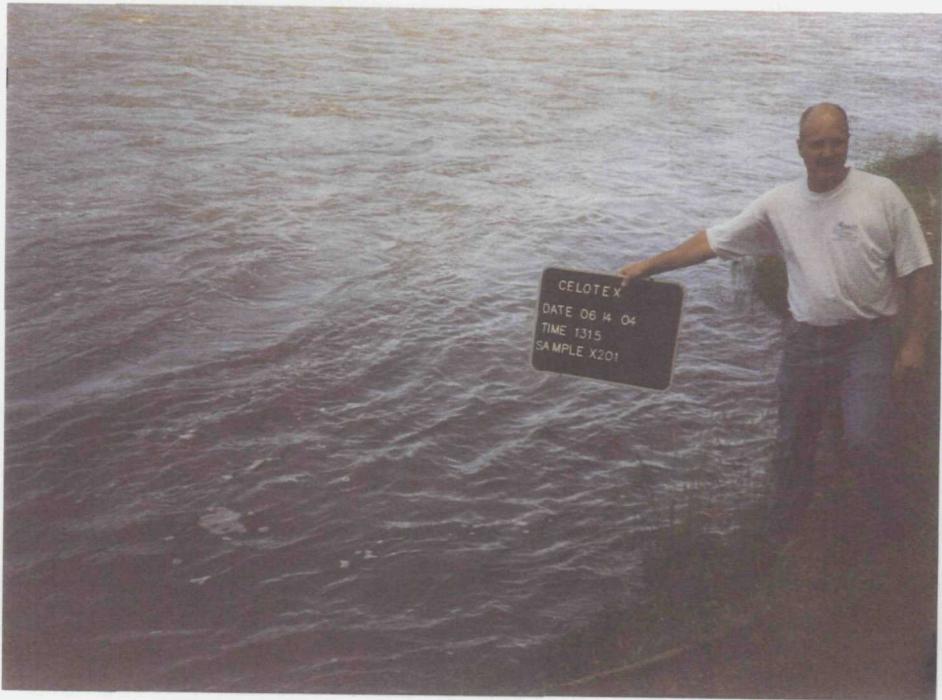
CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X201

Direction: west

Description: Background sediment



Date: 6/14/04

Time: 1315

Photo Taken By: Mark Wagner

Site Name

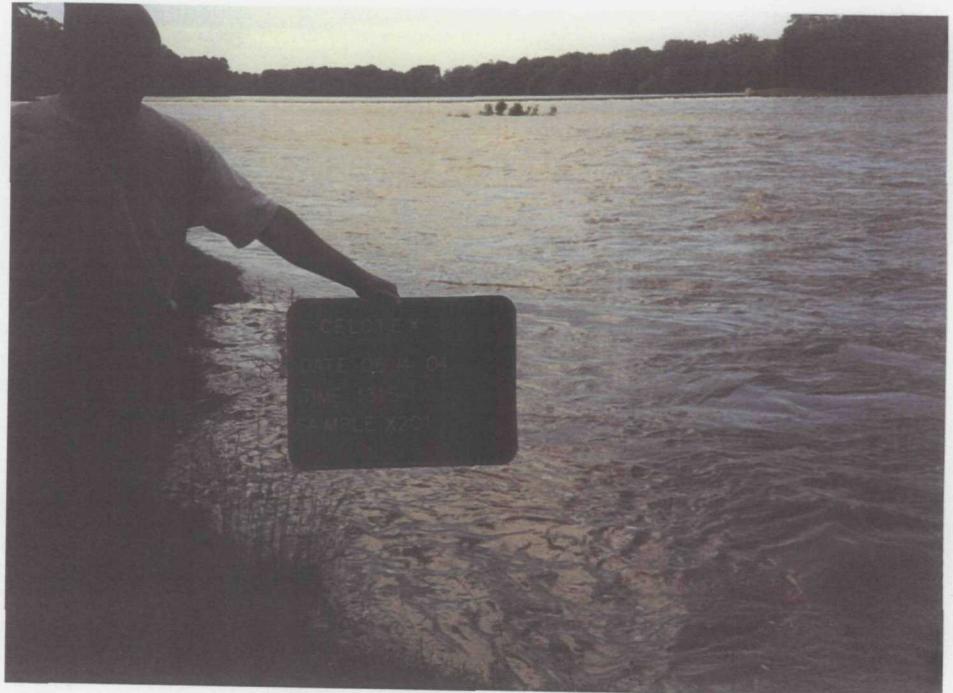
CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X201

Direction: south

Description: Background sediment sample



Date: 6/15/04

Time: 1330

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X101A

Direction: south

Description: waste sample



Date: 6/15/04

Time: 1315

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: G101

Direction: south

Description: Groundwater sample



Date: 6/15/04

Time: 1340

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X101B

Direction: south

Description: waste sample



Date: 6/15/04

Time: 1630

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X102A

Direction: south

Description: waste sample



Date: 6/15/04
Time: 1635

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X102B

Direction: south

Description: waste sample



Date: 6/15/04

Time: 1755

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X103

Direction: south

Description: waste sample



Date: 6/16/04

Time: 915

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X104A

Direction: south

Description: waste sample



Date: 6/16/04

Time: 925

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X104B

Direction: south

Description: waste sample



Date: 6/16/04

Time: 1100

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: G103

Direction: west

Description: Groundwater



Date: 6/16/04

Time: 1225

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X105

Direction: south

Description: waste sample



Date: 6/16/04

Time: 1315

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X106

Direction: west

Description: waste sample



Date: 6/16/04

Time: 1400

Photo Taken By: Mark Wagner

Site Name

CELOTEX ESI ADDENDUM

L-1971100002
ILD 981961634

Sample Location: X107

Direction: north

Description: Background soil sample



APPENDIX C

TARGET COMPOUND LIST (TCL) &

DATA QUALIFIERS

TARGET COMPOUND LIST

Volatile Target Compounds

Chloromethane	1,2-Dichloropropane
Bromomethane	cis-1,3-Dichloropropene
Vinyl Chloride	Trichloroethene
Chloroethane	Dibromochloromethane
Methylene Chloride	1,1,2-Trichloroethane
Acetone	Benzene
Carbon Disulfide	trans-1,3-Dichloropropene
1,1-Dichloroethene	Bromoform
1,1-Dichloroethane	4-Methyl-2-pentanone
1,2-Dichloroethene (total)	2-Hexanone
Chloroform	Tetrachloroethene
1,2-Dichloroethane	1,1,2,2-Tetrachloroethane
2-Butanone	Toluene
1,1,1-Trichloroethane	Chlorobenzene
Carbon Tetrachloride	Ethylbenzene
Vinyl Acetate	Styrene
Bromodichloromethane	Xylenes (total)

Base/Neutral Target Compounds

Hexachloroethane	2,4-Dinitrotoluene
bis(2-Chloroethyl) Ether	Diethylphthalate
Benzyl Alcohol	N-Nitrosodiphenylamine
bis (2-Chloroisopropyl) Ether	Hexachlorobenzene
N-Nitroso-Di-n-Propylamine	Phenanthrene
Nitrobenzene	4-Bromophenyl-phenylether
Hexachlorobutadiene	Anthracene
2-Methylnaphthalene	Di-n-Butylphthalate
1,2,4-Trichlorobenzene	Fluoranthene

Isophorone	Pyrene
Naphthalene	Butylbenzylphthalate
4-Chloroaniline	bis(2-Ethylhexyl)Phthalate
bis(2-chloroethoxy)Methane	Chrysene
Hexachlorocyclopentadiene	Benzo(a)Anthracene
2-Chloronaphthalene	3-3'-Dichlorobenzidene
2-Nitroaniline	Di-n-Octyl Phthalate
Acenaphthylene	Benzo(b)Fluoranthene
3-Nitroaniline	Benzo(k)Fluoranthene
Acenaphthene	Benzo(a)Pyrene
Dibenzofuran	Indeno(1,2,3-cd)Pyrene
Dimethyl Phthalate	Dibenz(a,h)Anthracene
2,6-Dinitrotoluene	Benzo(g,h,i)Perylene
Fluorene	1,2-Dichlorobenzene
4-Nitroaniline	1,3-Dichlorobenzene
4-Chlorophenyl-phenylether	1,4-Dichlorobenzene

Acid Target Compounds

Benzoic Acid	2,4,6-Trichlorophenol
Phenol	2,4,5-Trichlorophenol
2-Chlorophenol	4-Chloro-3-methylphenol
2-Nitrophenol	2,4-Dinitrophenol
2-Methylphenol	2-Methyl-4,6-dinitrophenol
2,4-Dimethylphenol	Pentachlorophenol
4-Methylphenol	4-Nitrophenol
2,4-Dichlorophenol	

Pesticide/PCB Target Compounds

alpha-BHC	Endrin Ketone
beta-BHC	Endosulfan Sulfate
delta-BHC	Methoxychlor
gamma-BHC (Lindane)	alpha-Chlordane
Heptachlor	gamma-Chlordane
Aldrin	Toxaphene
Heptachlor epoxide	Aroclor-1016
Endosulfan I	Aroclor-1221
4,4'-DDE	Aroclor-1232
Dieldrin	Aroclor-1242
Endrin	Aroclor-1248
4,4'-DDD	Aroclor-1254
Endosulfan II	Aroclor-1260
4,4'-DDT	

Inorganic Target Compounds

Aluminum	Manganese
Antimony	Mercury
Arsenic	Nickel
Barium	Potassium
Beryllium	Selenium
Cadmium	Silver
Calcium	Sodium
Chromium	Thallium
Cobalt	Vanadium
Copper	Zinc
Iron	Cyanide
Lead	Sulfide
Magnesium	

APPENDIX D

AREA WETLANDS MAP

